

## INTERNATIONAL SEARCH REPORT

IB 03/06256

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H01Q21/28 H01Q19/17 H01Q5/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H01Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 03/105358 A (ASHOOR FAYEK) 18 December 2003 (2003-12-18)	1
Y	the whole document	2-4
Y	FR 1 184 652 A (HOLLANDSE SIGNAALAPPARATEN BV) 24 July 1959 (1959-07-24) the whole document	2-4
Y	US 6 020 859 A (KILDAL PER-SIMON) 1 February 2000 (2000-02-01)	2
A	abstract	7,8
A	US 2001/054984 A1 (SPIRTUS DANNY) 27 December 2001 (2001-12-27) abstract	10,11
A	US 4 504 836 A (SEAVEY JOHN M) 12 March 1985 (1985-03-12) abstract	8



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

## \* Special categories of cited documents:

\*A\* document defining the general state of the art which is not considered to be of particular relevance

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\*O\* document referring to an oral disclosure, use, exhibition or other means

\*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*Z\* document member of the same patent family

Date of the actual completion of the international search

30 July 2004

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09/08/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Wattiaux, V

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